

## Kyndle FAME Advanced Manufacturing Technician (AMT) Course Schedule

<b>Semester 1</b>	<b>Fall Semester Year 1</b>		<b>17 Credits</b>
IMT 110	Industrial Maintenance Electrical Principles		3
IMT 111	Industrial Maintenance Electrical Principles Lab		2
FPX 100	Fluid Power		3
FPX 101	Fluid Power Lab		2
IET 1301	Safety Culture		1
<i>General Education Course</i>	<i>MAT 126 or MAT 150</i>	<i>Quantitative Reasoning</i>	3
<i>General Education Course</i>	<i>CLEP Exam, CIT 105 or test out</i>	<i>Digital Literacy</i>	3

<b>Semester 2</b>	<b>Spring Semester Year 1</b>		<b>16 Credits</b>
IMT 150	Maintaining Industrial Equipment		3
IMT 151	Maintaining Industrial Equipment Lab		2
EET 270	Electrical Motor Controls I		2
EET 271	Electrical Motor Controls I Lab		2
IET 1302	5S		1
<i>General Education Course</i>	<i>ENG 101 must be taken</i>	<i>Writing</i>	3
<i>General Education Course</i>	<i>Philosophy, Art, Music, Theatre, Literature Courses, History</i>	<i>Arts and Humanities</i>	3

<b>Semester 3</b>	<b>Summer Semester Year 1</b>		<b>12 Credits</b>
EET 276	Programmable Logic Controllers I		2
EET 277	Programmable Logic Controllers I Lab		2
IMT 100	Welding for Maintenance		3
IMT 110	Welding for Maintenance Lab		2
IET 1303	Total Production System Management		1
BRX 110	Basic Blueprint Reading		2

<b>Semester 4</b>	<b>Fall Semester Year 2</b>		<b>15 Credits</b>
CMM 114	Fundamentals of Machine Tool		7
CMM 114	Fundamentals of Machine Tool Lab		
EET 272	Electrical Motor Controls II		2
EET 273	Electrical Motor Controls II Lab		2
IET 1304	Problem Solving		1
<i>General Education Course</i>	<i>Psychology, Economics, Government, Sociology courses</i>	<i>Social Interaction</i>	3

<b>Semester 5</b>	<b>Spring Semester Year 2</b>		<b>14 Credits</b>
IMT 200	Industrial Robotics and Robotic Maintenance		4
IMT 198	Practicum Troubleshooting		2
IMT 289	Industrial Maintenance Technical Capstone		1
IET 1305	Maintenance Reliability		1
<i>General Education Course</i>	<i>COM 181, COM 252 or COM 281</i>	<i>Communications</i>	3
<i>General Education Course</i>	<i>Physics, Chemistry, Biology Courses</i>	<i>Natural Science</i>	3

### Credentials Earned:

- Associate of Applied Science - Industrial Maintenance Technician, *Advanced Manufacturing Technician (AMT) Track*
- Certificate - Industrial Maintenance Electrical Mechanic
- Certificate - Industrial Maintenance Mechanic Level I
- Certificate - Electrician Trainee Level I
- Certificate - Integrated Manufacturing Technologies